PAVAN RAVIKANTH KONDAMUDI

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- Java/J2EE software engineer and full stack developer with 4 years of over all experience in Designing, Coding, Testing, Implementing Client-Server, and desktop applications using Java/J2EE Technologies like Core Java, JDBC, Servlets, JSP, JSTL, RESTful and SOAP Webservices, SOA, XML/XSLT, MQ Series, JAXB, SOAP, XSLT.
- Ability to design and develop application using Object Oriented Programming principles.
- Expertise in web application development using frameworks such as Struts, Spring Framework/MVC, Hibernate.
- Extensive experience in developing n-Tier web applications using Java, J2EE, Servlets, JSP, JDBC and EJB.
- Experienced in various web technologies like HTML5, CSS3, JavaScript, AJAX, JQuery, UI, AngularJS, Bootstrap.
- Over 4 years of experience working on RAD/ Eclipse IDE/ IntelliJ.
- Exposure to various SQL, PL/SQL and NoSQL databases like SQLServer, DB2, MySQL, Oracle 10g Mongo DB, Cassandra.
- Experience fixing security vulnerabilities using OWSAPI and tuning performance of web applications along with SQL queries as part of Defensive Programming.
- Working and development experience of multi-threading and Test-Driven development using tools like JUnit .
- Excellent programming proficiency, communication skills, problem solving skills with strong technical background, good inter-personal skills and entrepreneurial thinking.
- Ability to research, learn and adopt to new technologies and ability to thrive under fast-paced environments.

Professional and Internship Experience

Northern Illinois University IL. – USA   **JAN 17 – MAY 18**
Role: Research Assistant
Key Contributions:
- Published 2 research papers in *Association for Computing Machinery* International conferences and 1 under review for IEEE and ACM joint conference (Please refer 'Publications' section below).
- Built 25+ Classification, Regression Machine Learning and Statistical Models using Sci-Kit Learn.
    - ✓ https://github.com/pkondamudi/IProjects/tree/master/ML%20Projects
- Developed 2 scalable and automated web scrapping tools for collecting large dataset from websites like Yelp, Google Scholar using Selenium and a Core Java client using Foursquare API.
    - ✓ https://github.com/pkondamudi/IProjects/tree/master/Scrappers
- Developed an internal website using SpringBoot, AngularJS, Spring MVC, NoSQL DBs: Cassandra, MongoDB.

    - **Environment:** Windows 7, JDBC, JSP, JSTL, MySQL, PostgreSQL, Cassandra, MongoDB, SpringBoot, Selenium, sci-kit learn, AngularJS, Tomcat 8, GitHub, NetBeans 7, Eclipse, IntelliJ.

Argonne National Laboratory IL. – USA   **MAY 17 – AUG 17**
Role: Research Aide (Internship)
Key Contributions:
- Developed 10+ Spack (A flexible package manager) packaging scripts for Proxy-Scientific applications.
- Contributed 600+ lines of open source code to Spack repository.
- Top 49th source code contributor for Spack during the Internship period.
- Merged 10+ applications into Spack repository and 3 applications into LLVM compiler test-suite.
- Worked on editing and modifying build scripts like MAKE, CMAKE for Proxy-Scientific applications. Implemented 2 Quantum Noise Models on Atos QLM using AQASM, ProjectQ (An Open Source Quantum Simulator) and analyzed their effects on the performance of quantum algorithms using high performance computing resources (Super Computers).
- Used GitHub for hosting and version controlling the source code.

    - **Environment:** Linux, Mac OS, Sublime, Spack, Python 3.6, MAKE, CMAKE, Shell Scripting, Atos AQASM, ProjectQ, Intel-QS, LLVM test-suite, GitHub.

Broadridge Financial Solutions, India Pvt. Ltd. – India   **JAN 14 - AUG 16**
Role: Member Technical
Key Contributions:

- Part of *~5 full life cycle, back end and test-driven development projects (300+ hours)* which include new client onboarding, batch monitoring applications for the Marketing Communications team technologies include *Core Java, J2EE, Spring and Adobe Cold Fusion 5/8/11 technologies*.
- Migrated *150+ struts actions in 400+ hours* migration project from struts 1 to struts 2.x as an only resource.
- Migrated *20+ ColdFusion pages* and *~30 Fusebox actions* from Cold Fusion5 to Cold Fusion11.
- Demonstrated Leadership to initiate, designed, and successfully completed *~5 vital production support and administrative automation project components.*
- Fixed 10+ Security Vulnerabilities like CSRF, Cross Site Scripting, SQL Injection as part of enterprise application security projects in web applications using OWSAPI framework.
- Developed SOAP and REST webservices for updating batch job statues.
- Re-designed client onboarding portal using *CSS3, HTML5, Bootstrap3, jQuery, AJAX*.
- Enhanced PL/SQL stored procedures for *Microsoft SQLServer 2012 DBMS.*
- Experience working on *IBM WebSphere 7/8 and Tomcat 7/8 servers*.
- Experience working with IDEs *Eclipse, IntelliJ, IBM RAD 7/8*.
- Experience working with *Git, SVN, Perforce, Microsoft Visual Source* version control systems.
- Good Knowledge on SLDC *and Agile* Development.

    - **Environment:** Windows 7, Core Java, J2EE, Servlets, REST and SOAP Web Services, Active MQ, JNDI, JDBC, Junit, Hibernate, JSP, JSTL, Spring MVC, Struts, CSS, HTML, jQuery, ExtJS, ColdFusion 8/11, RAD, Eclipse, Maven, Ant, SQLServer, Oracle 10g 2012, Tomcat 7, WebSphere 8, Perforce, SVN, Git, JIRA, Jenkins, LOG4j, OpenCSV, PL/SQL, IIS.

Skill Matrix

Java/J2EE, Other APIs: Java, J2EE, JSP, Spring MVC, Spring Boot, JDBC, Servlets, JSTL, LOG4J, JMS, JNDI, Hibernate
Databases(SQL/NOSQL) : MS SQLServer, Oracle, Sybase, DB2, Apache Cassandra, MongoDB, Neo4J, MS Access
Web Services   : REST (JAX-RS) / SOAP (JAX-WS), ActiveMQ
Front End/GUI   : HTML5, CSS3, JavaScript, AJAX, Swings, jQuery, jQuery-UI, XML, AngularJS, Bootstrap3, Material-UI
IDE's/Editors   : Eclipse, IntelliJ, NetBeans 7.0, RAD 7/8, SQL Developer, Sublime.
Tools/Utilities   : IBM WebSphere 7/8, Tomcat 7/8, Virtual-Box, Junit, XAMPP, Selenium, SVN, GitHub.

Independent Projects

- **{Marrker}:** A social networking website where users can share fun with friends. {Marrker} allows users to create Fun spots where other users can follow those Fun spots and share content like videos, GIFs and posts with followers of Fun spots. *(**Technologies:** J2EE, Spring MVC, MySQL, Boot(plus/strap) 3, CSS, HTML, JDBC, JavaScript, Eclipse, Tomcat 7)
    - ✓ https://github.com/pkondamudi/IProjects/tree/master/Projects/Marrker_v1.0
- **hnotch**: A website site for all kinds of WWW's content like News, Videos, Blogs. hnotch allows user to upload app to the website and other users of the website can add/remove these apps to/from their profile.
    - *(**Technologies:** J2EE, Spring MVC, Cassandra, Boot(plus/strap) 3, CSS, HTML, JavaScript)
    - ✓ https://github.com/pkondamudi/IProjects/tree/master/Projects/hnotch

Publications

1. ***Pavan Ravikanth Kondamudi****, Bradley Protano, and Hamed Alhoori, "Pokémon Go: Impact on Yelp Restaurant Reviews" in Proceedings of the 2017 ACM conference on* **WebSci'17** *https://arxiv.org/abs/1706.02192*
2. ***Pavan Ravikanth Kondamudi****, Murtuza Shahzad, Christian Bailey, and Hamed Alhoori, "Predicting Scholarly Impact using Altmetrics" in 2018 ACM conference on* **ICCDA'18**.
3. ***Pavan Ravikanth Kondamudi****, Haiming Zhou, and Hamed Alhoori, "Predicting Scholarly Impact using Altmetrics". (Under Review)*

Education

Master's in science in Computer Science   GPA - 3.7/4, Expected Graduated - May 2018
Northern Illinois University, DeKalb, IL.

Bachelor of Technology in Information Technology   Graduated - May 2013, JNTUK, India

References

Dr. Hal Finkel
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